

Fig. 1

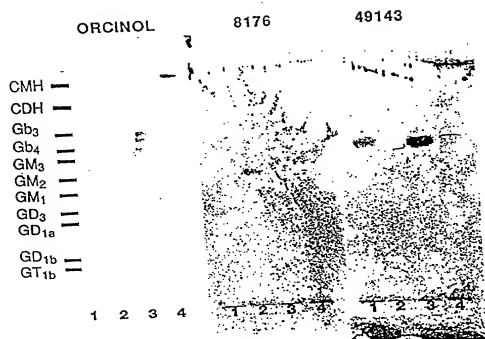


Fig. 2

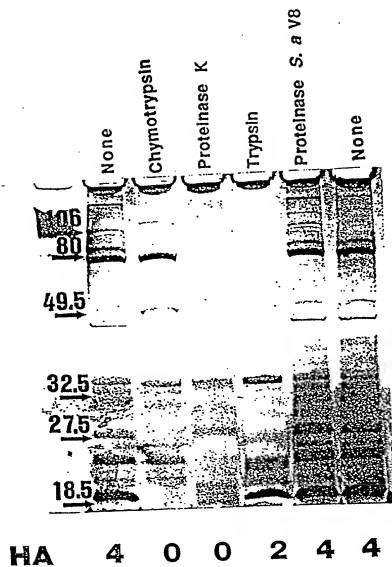


Fig. 3

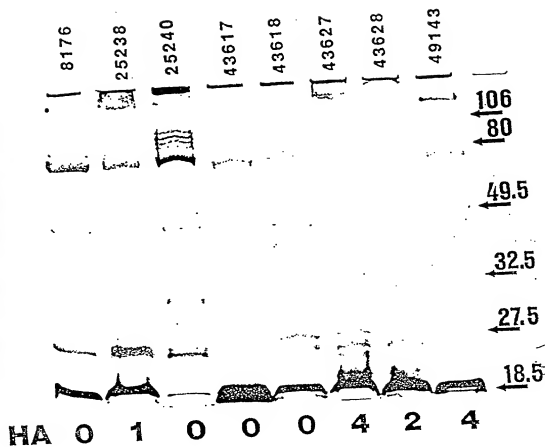


Fig. 4

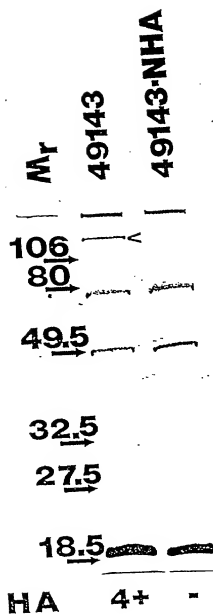


Fig. 5

[25C
100C
M_r

200
116

97

66

Fig. 6

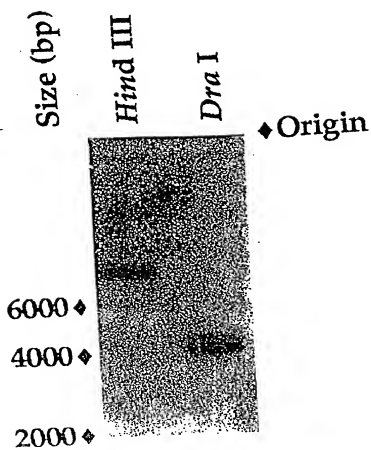


Fig. 7

D

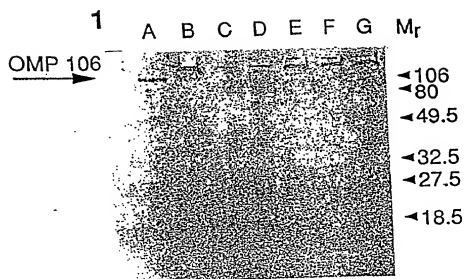


Fig. 8A

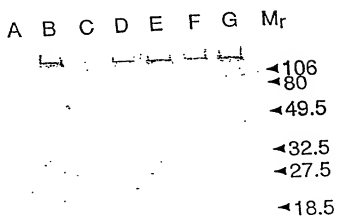


Fig. 8B

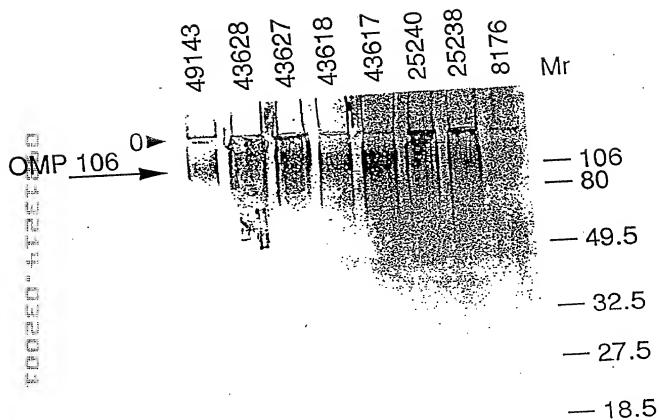


Fig. 9A

20020-1121050

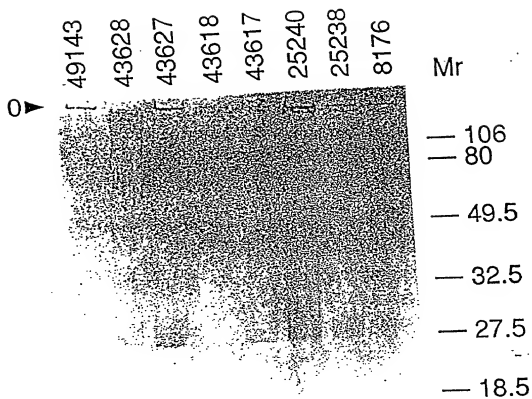


Fig. 9B

Figure 10.

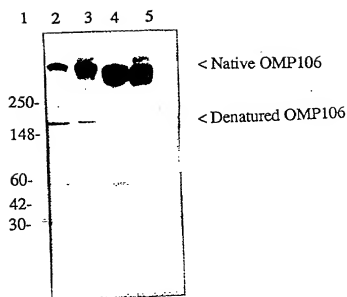


Figure 11.

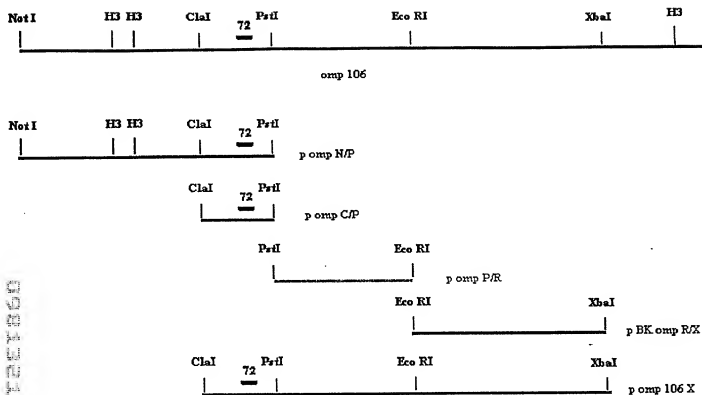
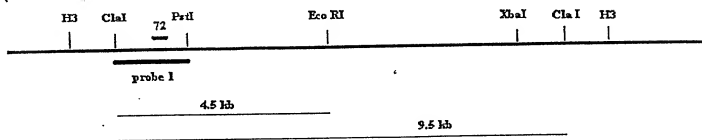
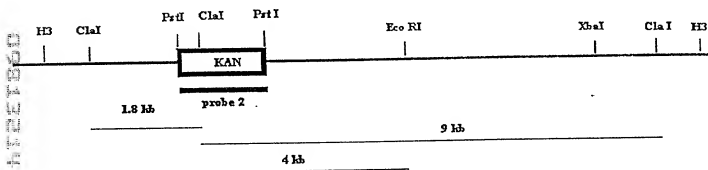


Figure 12. Map of omp 106 and omp 106 deletion mutants

A



B



DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

MORAXELLA CATARRHALIS OUTER MEMBRANE PROTEIN-106 POLYPEPTIDE, GENE SEQUENCE AND USES THEREOF

and for which a patent application:

☐ is attached hereto and includes amendment(s) filed on _____ (if applicable)
☒ was filed in the United States on November 12, 1997 as Application Serial No. 08/968,685 (Our declaration not accompanying application)
with amendment(s) filed on _____ (if applicable)
☐ was filed as PCT international application Serial No. _____ on _____ and was amended under PCT Article 19 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
08/642,712	May 3, 1996		X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Miroek (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), Gerald J. Flintoft (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Paik (Reg. No. 25510), Thomas E. Friebe (Reg. No. 29258), Laura A. Conuzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Albert P. Halluin (Reg. No. 25227), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), and Marcia H. Sundeen (Reg. No. 30893), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 2730 Sand Hill Road, Menlo Park, CA 94025, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: PENNIE & EDMONDS LLP
1155 Avenue of the Americas
NEW YORK, NEW YORK 10036-2711

DIRECT TELEPHONE CALLS TO:
PENNIE & EDMONDS LLP DOCKETING
(212) 790-9090

201	FULL NAME OF INVENTOR	LAST NAME Tucker	FIRST NAME Kenneth	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY <i>Frederick</i> Germantown	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.	
	POST OFFICE ADDRESS	STREET <i>7017 Allison Manor Cir.</i> 20408-Afternoon Lane	CITY Germantown	STATE OR COUNTRY Maryland	ZIP CODE 20874-21707
202	FULL NAME OF INVENTOR	LAST NAME Plosila	FIRST NAME Laura	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Cary	STATE OR FOREIGN COUNTRY North Carolina	COUNTRY OF CITIZENSHIP U.S.A.	
	POST OFFICE ADDRESS	STREET 110 Annandale Drive	CITY Cary	STATE OR COUNTRY North Carolina	ZIP CODE 27511
203	FULL NAME OF INVENTOR	LAST NAME Tillman	FIRST NAME Ulrich	MIDDLE NAME F.	
	RESIDENCE & CITIZENSHIP	CITY Olney	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	STREET 2704 Meadowland Court	CITY Olney	STATE OR COUNTRY Maryland	ZIP CODE 20832
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Kenneth Tucker</i>	SIGNATURE OF INVENTOR 202 <i>Laura Plosila</i>	SIGNATURE OF INVENTOR 203 <i>Ulrich F. Tillman</i>
DATE 20 Jan 1998	DATE 1/17/98	DATE 1/20/98
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE